

PROJECT STATUS REPORT

INSTRUCTIONS

- ITEM 8 Entries will be taken from codes listed on the reverse side of this form page 3.
- ITEM 20 Enter concise project progress information sufficiently complete so that reference to other reports will not be necessary. Changes in program scheduling should be fully explained. If additional space is required, a separate 8 x 10 1/2 sheet will be used. Identify particular report and mark proper security classifications.

| | | | | | |
|---|--|-------------------------------------|--|-----------------------------|--|
| 1. PROGRAM STRUCTURE | | 2. PROJECT NR OR SYSTEM TEST OBJ NR | | 3. TASK, ESP OR TEST NUMBER | |
| 921A | | | | 63B14 | |
| 4. AFMTC PROJECT DIRECTIVE NR | | 5. ARDC PRIORITY | | 6. REPORTING PERIOD | |
| 63-83 | | 01 | | February 1964 | |
| 7. TITLE AND OBJECTIVE | | | | | |
| D. E. S. TESTS | | | | | |
| (Purpose is classified) | | | | | |
| 8. SCHEDULE | | | | | |
| CURRENT FY <u>64</u> FY <u>65</u> FY <u>66</u> QTRS FY <u>67</u> QTRS | | | | | |
| J A S O N D J F M A M J J A S O N D J F M A M J 1st 2d 3d 4th 1st 2d 3d 4th | | | | | |
| CURRENT SCHEDULE | | | | | |
| U N K N O W N | | | | | |
| NEW SCHEDULE | | | | | |
| CHG CODE | | | | | |
| 9. FIRST FLIGHT/TEST | | 10. LATEST FLIGHT/TEST | | 11. FINAL FLIGHT/TEST | |
| | | | | | |
| 12. TOTAL FLIGHT HRS REQ | | 13. ACFT SERIAL NR | | | |
| | | | | | |
| 14. % PLANNING COMPLETED | | 15. % INSTRUMENTATION COMPLETED | | 16. % TESTING COMPLETED | |
| 10/90 | | 10/50 | | 70/50 | |
| 17. % DATA REDUCTION COMPLETED | | 18. % REPORT COMPLETED | | 19. % TOTAL COMPLETED | |
| 5/50 | | 5/0 | | 100/50 | |
| 20. REMARKS | | | | | |

LIC 9341

Tests completed: 4

Tests documented: 7

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test Photo

F-106B - 6 T-38 - 3

F-104 - 20

F-106B - 2

Test Photo

F-106B - 3 F-106B - 2

F-106D - 6

T-38 - 7

T-33 - 4

This project is classified.

| | | |
|------------------|-------------------------------------|--|
| 21. DATE | 22. OFFICE SYMBOL AND TELEPHONE EXT | 23. SIGNATURE OF PROJECT OFFICER |
| 29 February 1964 | FTNEM/266 | David P. Schmarje Lt. David P. Schmarje |

Program Structure 921A, COMPARATIVE EVALUATION OF PERSONNEL PARACHUTE CONFIGURATIONS (Cont'd)

| Drop No. | Launch speed (kt) | Internal parachute | | Internal parachute skirt location - above or below main canopy skirt (in) | Maximum riser force left right (lb) | Remarks No. |
|-------------|-------------------------|------------------------|----|--|--|----------------|
| | | D ₀ (in) | FC | | | |
| 0019 | 300 | 60 | | 12 above | N/A N/A | (1) |
| 0020 | 100 | 60 | | 12 above | 880 880 | (2) |

Remarks:

- (1) The dummy separated from the parachute at full open due to the harness breaking.
- (2) No damage.

PROJECT STATUS REPORT

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| | | | | | |
|---|--|---|--|-----------------------------|--|
| 1. PROGRAM STRUCTURE | | 2. PROJECT NR OR SYSTEM TEST OBJ NR | | 3. TASK, ESP OR TEST NUMBER | |
| 921A | | | | 62B01 | |
| 4. AFMTC PROJECT DIRECTIVE NR | | 5. ARDC PRIORITY | | 6. REPORTING PERIOD | |
| 62-17 | | 20F | | February 1964 | |
| 7. TITLE AND OBJECTIVE | | | | | |
| EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE) | | | | | |
| To determine the opening reliability of a multi-stage parachute assembly to be used by parachutist from high altitudes. | | | | | |
| 8. SCHEDULE | | CURRENT FY 64 | | FY 65 | |
| | | J A S O N D J F M A M J J A S O N D J F M A M J | | FY 66 QTRS FY 67 QTRS | |
| CURRENT SCHEDULE | | U N K N O W N | | | |
| NEW SCHEDULE | | | | | |
| CHG CODE | | | | | |
| 9. FIRST FLIGHT/TEST | | 10. LATEST FLIGHT/TEST | | 11. FINAL FLIGHT/TEST | |
| | | | | | |
| 12. TOTAL FLIGHT HRS REQ | | 13. ACFT SERIAL NR | | | |
| | | | | | |
| 14. % PLANNING COMPLETED | | 15. % INSTRUMENTATION COMPLETED | | 16. % TESTING COMPLETED | |
| 10/90 | | 5/90 | | 70/90 | |
| 17. % DATA REDUCTION COMPLETED | | 18. % REPORT COMPLETED | | 19. % TOTAL COMPLETED | |
| 10/90 | | 5/0 | | 100/85 | |

20. REMARKS

LIC 9121 WSC 3

Tests completed: 225

Tests documented: 227

Aircraft hours flown to date:

Documented aircraft hours remaining:

| | |
|--------------|--------------|
| Test | Photo |
| C-130 - 56.1 | T-28 - 23.4 |
| B-66 - 36.0 | T-33 - 61.0 |
| | B-57 - 6.0 |
| | F-104 - 1.5 |
| | F-100 - 18.0 |
| | H-21 - 19.0 |
| | T-38 - 4.0 |

| | |
|--------------|-------|
| Test | Photo |
| C-130 - 13.0 | |

No tests. This project is being held in abeyance by the AFSC Project Officer.

| | | |
|------------------|-------------------------------------|--|
| 21. DATE | 22. OFFICE SYMBOL AND TELEPHONE EXT | 23. SIGNATURE OF PROJECT OFFICER |
| 29 February 1964 | FTNEM/266 | David P. Schmarje Lt. David P. Schmarje |

Program Structure 921A, SUPPORT MISCELLANEOUS AIR FORCE TASKS, (Cont'd)

35-Ft. Single Cone "Rabbit Ear": Project Engineer - Lt. David P. Schmarje, FTNEM, Extension 266. - Two tests were made on an MC-1 canopy modified with a single "Rabbit Ear." The drop was made at 110 KIAS and 5,000-ft. pressure altitude using a 290-lb. ammunition container load. The test canopy was deployed by a static-line-deployed 68-in. octagonal pilot chute. The "Rabbit Ear" has a 7-ft. base diameter, a 6-ft. tip diameter, and a 16-ft. height. For test 0181 the standard MC-1 apex was retained and for test 0223 this was increased to a 42-in. diameter.

Test information follows:

| <u>Drop No.</u> | <u>Indicated airspeed (kt)</u> | <u>Pressure altitude (ft)</u> | <u>Drop aircraft</u> | <u>Peak force (lb)</u> | <u>Rate of descent (ft/sec)</u> | <u>Remarks</u> |
|---------------------|--|---------------------------------------|--------------------------|--------------------------------|---|----------------|
| 0181 | 110 | 5,000 | C-130 | 1,300 | 17.9 | (1) |
| 0223 | 110 | 5,000 | C-47 | 800 | 21.0 | (2) |

Remarks:

- (1) The cone did not inflate properly.
- (2) The cone inflated, but did not remain erect.